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SECRET

Copy 2 of 4

HX-21

21 December 1960

25X1A

[redacted]
Post Office Box 1407
Main Post Office
Washington 13, D. C.

Gentlemen:

Enclosed herewith are four (4) copies of the status report of technical progress on the photographic rectifier for the month of November, 1960.

A copy of the report is being submitted directly to the Contracting Officer.

Very truly yours,

[redacted] 25X1A

cc: Contracting Officer

Declass Review by NIMA/DOD

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1 December 1960

PHOTOGRAPHIC RECTIFIER - PRINTER

Report of Technical Progress

I. Progress during November 1960

System integration and checkout using tape commands was completed on unit 1. Additional work on the video system was found necessary and this was completed. The unit was moved to the configuration room for final system and photographic testing.

Assembly and testing for units, 2, 3 and 4 continued. Items completed were: one Y index Register; one 125V power supply; three X drive assemblies; three vacuum and pneumatic valve assemblies; three PMT servo assemblies.

II. Anticipated Progress During December

Assembly and fabrication will continue with the present manpower effort. The reader for unit 2 will be approximately 80% assembled (mechanical) and the printer will be 50%. Internal cabling of the console will be started late in the month. The rate computer and comparator assemblies will be completed and check-out started.

System testing of unit 1 will continue and first complete tests will be made including reading and printing. 1 February remains the target date for completion of systems test. This date will be firmed up early in January if present testing results continue to show the same rate of progress.

STATINTL [redacted] indicates that the rectification tape should be complete in December if and when computer time is available. STATINTL

[redacted]

Project Engineer

JVS:kp

Encls.

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PHASE DIAGRAM FOR READER

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	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure	Complete	Complete	Complete	Complete	2 Complete 2 In Work	1 Complete 1 In Work
CRT Housing	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Elect. Parts	Complete	Complete	Complete	1 Complete		
Track Assy., X Drive Lead Screw	Complete	Complete	Complete	Complete less motor	1 Complete	1 Complete
Valve, Pneu. & Vacuum	Complete	Complete	Complete	Complete	Complete	Complete
Doors	Complete	Complete	Complete	Complete	Complete	In Work
Focus Current Regulator	Complete	Complete	Complete	Complete	Complete	Complete
X Deflection Amp.	Complete	Complete	Complete	Complete	Complete	2 Complete
Y Deflection Amp.	Complete	Complete	Complete	Complete	Complete	2 Complete
X Sweep Attenuator	Complete	Complete	Complete	Complete	Complete	1 Complete
Y Sweep Attenuator	Complete	Complete	Complete	Complete	Complete	1 Complete
Power Supply 20kv	Complete	Complete	Complete	Complete	Complete	3 Complete
Power Supply 1kv	Complete	Complete	Complete	Complete	Complete	Complete
FMT Drive & Servo	Complete	Complete	Complete	Complete less motor	Complete	Complete
Platen & Index Assy.	Complete	Complete	2 Complet	1 Complete	1 Complete	1 Complete
Film Index Drive & Servo	Complete	Complete	1 Complete	1 Complete	1 Complete	1 Complete 1 In Work
PM Assy. & Video Amplifier	Complete	Complete	Complete	Complete	Complete	Complete
Optisyn Pre-Amp	Complete	Complete	Complete	Complete	Complete	Complete
Check Pulse Transistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
Dodging Commutator	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Sweep Linearizer	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Control	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Dynamic Focus	Complete	75%Complete	Complete	Complete	1 Complete	1 Complete
Cables (Internal)	Complete	Complete	Complete	Complete	1 Complete	1 Complete

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PHASE DIAGRAM FOR PRINT 3

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Structure	Complete	Complete	Complete	Complete	2 Complete	1 Complete 1 In work
CRT Housing	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Elect. Parts	Complete	Complete	Complete	1 Complete	Complete	
Track Assy., X Drive Lead Screw	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Valve, Pneu. & Vacuum	Complete	Complete	Complete	Complete	Complete	Complete
Doors	Complete	Complete	Complete	Complete	Complete	Complete
Focus Current Regulator	Complete	Complete	Complete	Complete	Complete	Complete
X Deflection Amp.	Complete	Complete	Complete	Complete	Complete	1 Complete
Y Deflection Amp.	Complete	Complete	Complete	Complete	Complete	1 Complete
X Drive Assy.	Complete	Complete	Complete	Complete less motors	Complete	Complete less motors
Film Index	Complete	Complete	Complete	Complete	Complete	1 Complete
Lens Board	Complete	Complete	Complete	Complete	2 Complete	2 Complete
Platen	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Cassettes	Complete	Complete	Complete	Complete	Complete	2 Complete
Vacuum Pump				1 Complete		1 Complete
Power Supply 20kv	Complete	Complete	Complete	Complete	Complete	3 Complete
Power Supply 90V	Complete	Complete	Complete	Complete	Complete	Complete
Program Relay Control	Complete	Complete	Complete	Complete	Complete	1 Complete
Gurley Disc Assy.	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Check Pulse Transistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
HiFreq. Xsistor Amp	Complete	Complete	Complete	Complete	Complete	Complete
Check Pulse Separator	Complete	Complete	Complete	Complete	Complete	Complete
Sweep Linearizer	Complete	Complete	Complete	Complete	1 Complete	1 Complete
CRT Control	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Dynamic Focus	Complete	75% Compl.			1 Complete	

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PHASE DIAGRAM FOR CONSOLE

	Pre-Design	Design	Release	Purchase Parts	Fabrication	Assembly
Y Index Register	Complete	Complete	Complete	1 Complete	1 Complete	2 Complete
Monitor Scope	Complete	Complete		Complete	Complete	1 Complete
Video Control	Complete	Complete		Complete	1 In Work	1 In Work
Sweep Generator	Complete	Complete		Complete	1 Complete 1 In Work	1 Complete 1 In Work
Power Control	Complete	Complete	Complete	1 Complete	1 Complete	1 Complete
Program Control	Complete	Complete	Complete		In Work	
Power Supply 125V	Complete	Complete	Complete	Complete	Complete	Complete
Power Supply 300V	Complete	Complete	Complete	Complete	2 Complete	2 Complete
Scan Servo	Complete	Complete	Complete	Complete	1 Complete	1 Complete
Scan Comparator	Complete	Complete	Complete	Complete	Complete	1 Complete 1 In work
Scan Computor	Complete	Complete	Complete	Complete	Complete	1 Complete 1 In work
Tape Reader	Complete	Complete		1 Complete	1 Complete	1 Complete
Power Supply 6.3V	Complete	Complete	Complete	Complete	Complete	5 Complete
Transportape	Complete	Complete		Complete	Complete	Complete
Power Supply 28V	Complete	Complete	Complete	Complete	Complete	2 Complete
Cables (internal)	Complete	Complete	Complete		1 Complete	1 Complete
Rack	Complete	Complete	Complete	Complete	1 Complete 1 In work	1 Complete 1 In work

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STATINTL

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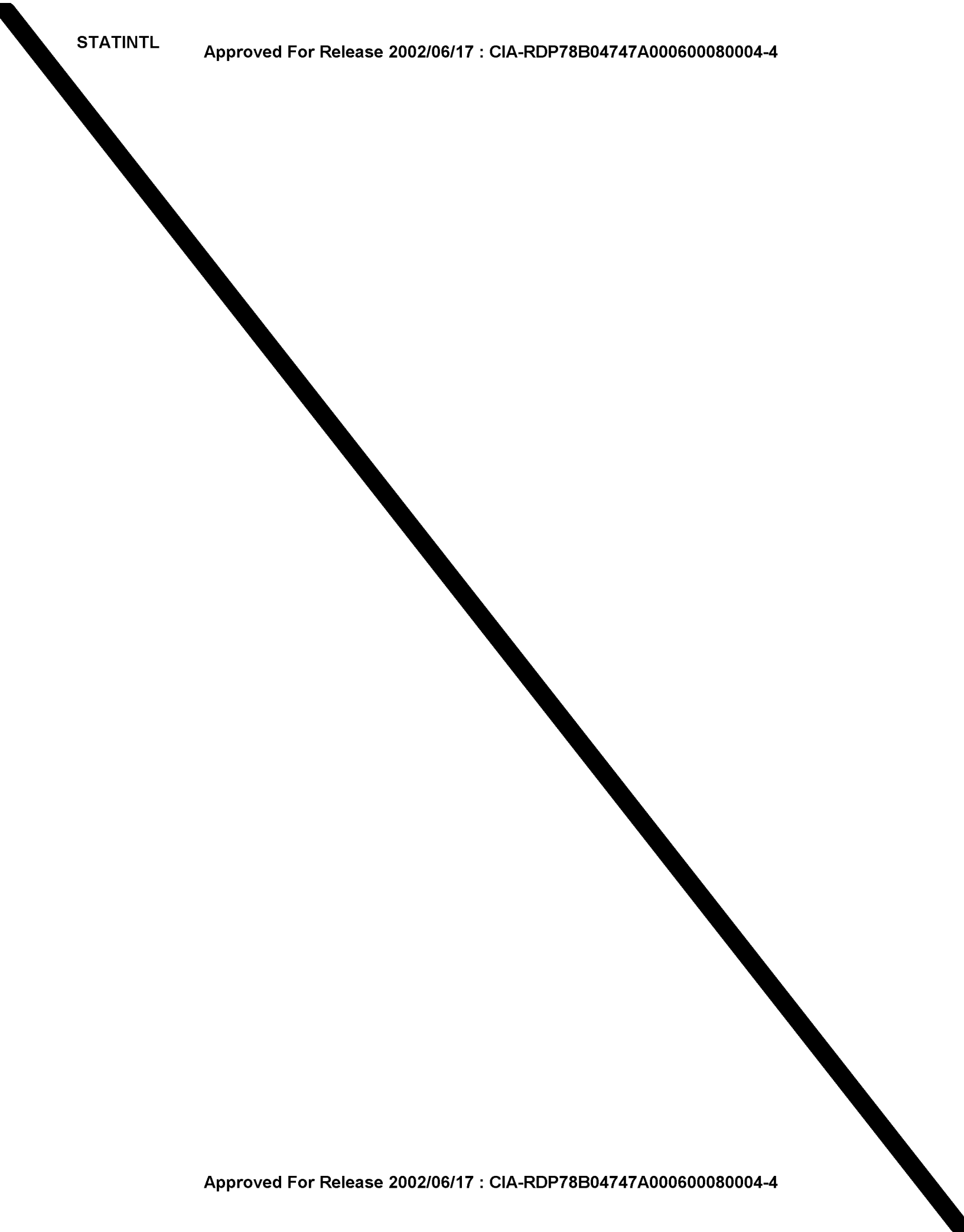

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